

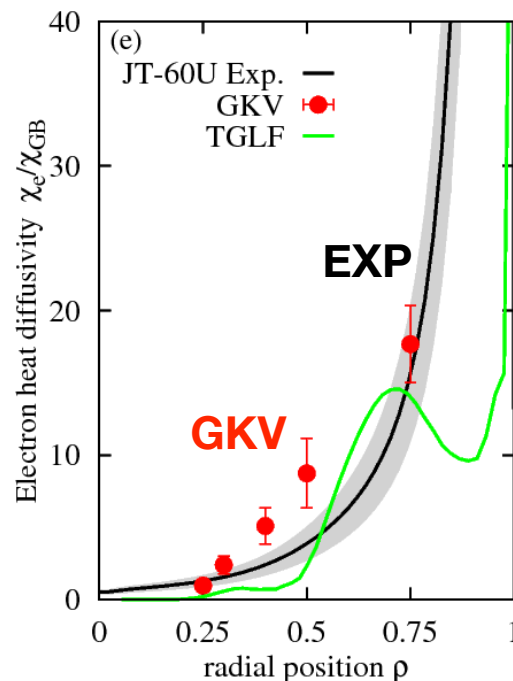
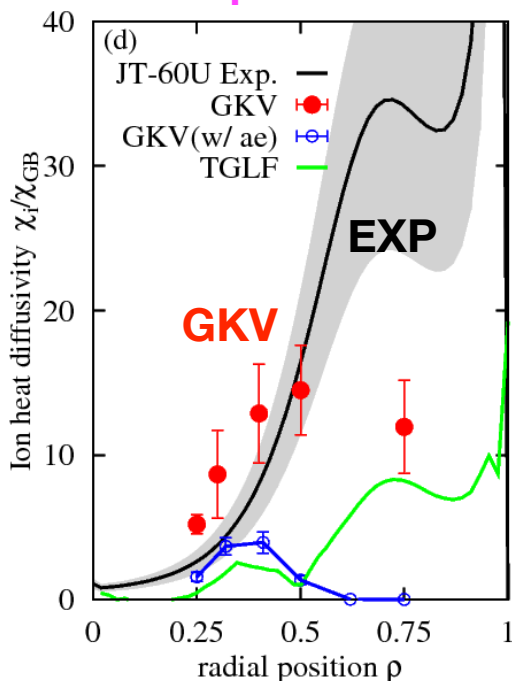
# Gyrokinetic analysis of turbulent heat and particle transport on JT-60U plasmas : TH/P7-38

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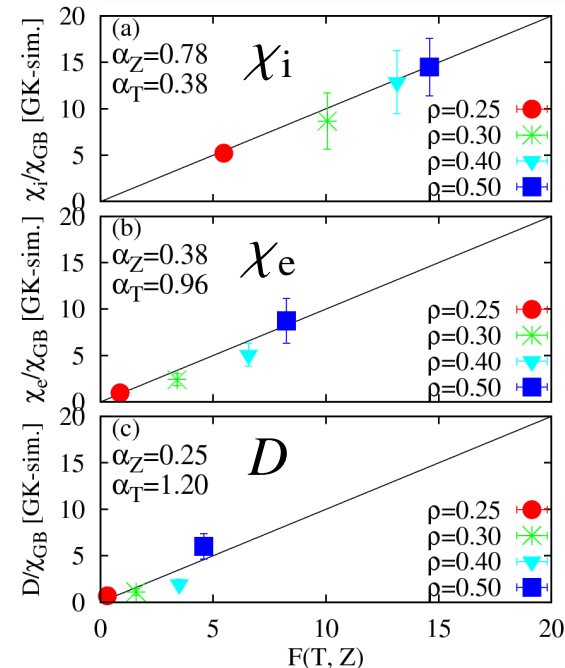
Turbulent flows on JT-60U



Comparisons between GKV sim. and EXP.



Nonlinear ZF dependence



--> ITG-TEM simulations by GKV show good agreement with EXP. in core region.

--> Distinct nonlin. ZF-dependence on multiple transport channels,  
i.e., “ion-heat” > “electron-heat” > “particle”, is newly identified.

Detailed validations on JT-60U by a gyrokinetic code GKV provide good predic. capability and useful insights for better transport model towards future devices.